

Converting Colors

CIELCh(90, 64.994, 167.389)

Have a look what the booklet for
CIELCh(90, 64.994, 167.389)
contains.

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Color

CIELCh(90, 64.555, 167.648)

Conversions

Conversions Part 1

Format	Color
Hex	10FFC6
RGB	16, 255, 198
RGB Percent	6%, 100%, 78%
CMY	0.9387, 0.0000, 0.2240
CMYK	0.94, 0.00, 0.22, 0.00
HSL	166°, 100%, 53%
HSV	166°, 94%, 100%
XYZ	46.4488, 76.3034, 65.6355
YIQ	177.0410, -124.1470, -68.3950

Conversions

Conversions Part 2

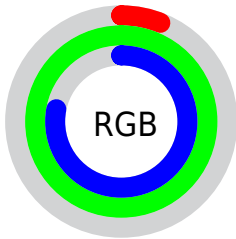
Format	Color
RYB	16, 152, 255
Decimal	1114054
CIELab	90.00, -63.06, 13.81
CIELCh	90, 64.555, 167.648
Yxy	76.3034, 0.2466, 0.4050
Android (android.graphics.Color)	4279304134 (0xFF10FFC6)
YUV	177.0410, 10.3328, -141.2330
Hunter-Lab	87.3518, -57.9494, 16.5962

Details

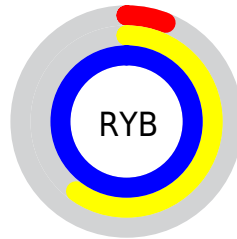
The CIELCh color **90, 64.555, 167.648** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **54, 88.171, 24.235**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.681, 197.050**, and **71, 56.010, 164.309** is the 20% darker color. If you saturate the color by 10%, you get **90, 65.718, 166.682**, and if you desaturate by 10%, it is **90, 60.953, 169.861**.

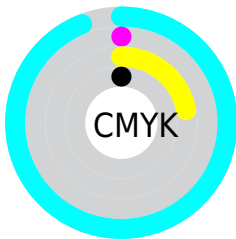
Distribution



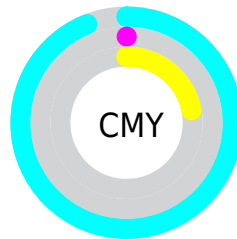
- Red (6%)
- Green (100%)
- Blue (78%)



- Red (6%)
- Yellow (60%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (94%)
- Magenta (0%)
- Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 64.555, 167.648 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 90, 64.555, 167.648 by changing the saturation by 10% instead.


 90, 64.555,
167.648

 90, 64.555,
167.648

 100, 64.555,
167.648

 80, 64.555,
167.648


 70, 64.555,
167.648

 60, 64.555,
167.648

 50, 64.555,
167.648

 40, 64.555,
167.648

 30, 64.555,
167.648

 20, 64.555,


167.648


 10, 64.555,
167.648


 0, 64.555, 167.648


 90, 64.555,
167.648


 90, 64.555,
167.648

 90, 65.718,
166.682

 90, 60.953,
169.861

 90, 56.809,
171.605

 91, 51.627,
173.169

 92, 45.431,
174.574

■ 93, 38.318,
175.847

■ 94, 30.423,
177.012

■ 96, 21.908,
178.091

■ 97, 12.932,
179.108

■ 99, 3.647, 180.166

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90, 64.555, 167.648



54, 88.171, 24.235

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 64.555, 167.648



90, 64.555, 217.648



90, 64.555, 347.648



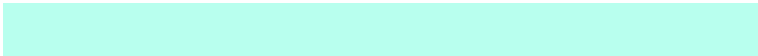
90, 64.555, 37.648

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



90, 64.123, 167.928



95, 25.486, 177.654



88, 114.805, 133.811



50, 17.426, 177.185



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

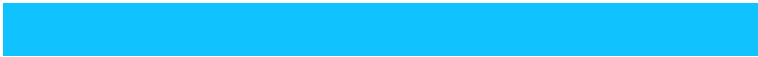
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 64.123, 167.928



90, 65.718, 166.682



74, 44.977, 244.387



52, 5.327, 179.547



69, 52.651, 167.062



23, 23.346, 169.804

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54, 88.171, 24.235



54, 91.539, 27.636



58, 93.280, 45.213



50, 5.510, 1.205



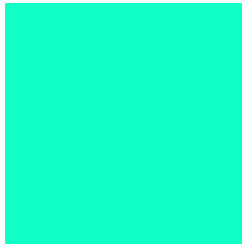
40, 73.126, 26.567



10, 31.762, 16.659

Previews

White Background



This preview shows how the CIE LCh color 90, 64.555, 167.648 looks on a white background.

Color Contrast Check

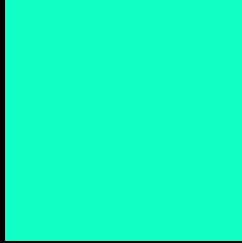
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 90, 64.555, 167.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

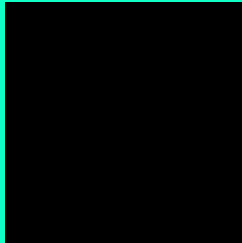
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 64.555, 167.648

Background



This preview shows how black text looks on a background with the CIELCh color 90, 64.555, 167.648.

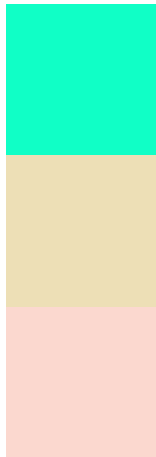


This preview shows how white text looks on a background with the CIELCh color 90, 64.555, 167.648.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


90, 64.075, 167.967

Protanopia

89, 21.907, 94.093

Deuteranopia

89, 13.979, 39.658

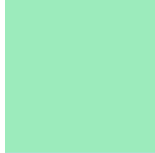


Tritanopia
89, 30.561, 212.550

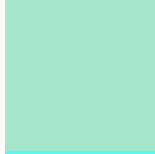
Trichromacy



Original Color
90, 64.075, 167.967



Protanomaly
87, 37.221, 155.843



Deuteranomaly
86, 26.511, 166.669

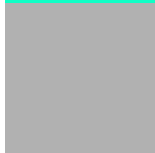


Tritanomaly
89, 42.750, 188.906

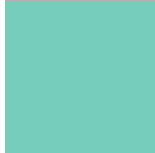
Monochromacy



Original Color
90, 64.075, 167.967



Achromatopsia
72, 0.009, 296.813



Achromatomaly
77, 31.038, 176.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 64.555, 167.648 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(16, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(16, 255, 198)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(16, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 255, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 64.555, 167.648 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(16, 255, 198) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(16, 255, 198) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(16, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(16, 255,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 64.555, 167.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 255, 198) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(16, 255,  
198) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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